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27516 (US). ZHANG, Jinghua [CN/US]; 1105 Hwy 54 Bypass, Apt. L5, Chapel Hill, NC 27516 (US). ZHU, Xin-sheng [CN/US]; 105 Hwy 54 Bypass, Apt. L5, Chapel Hill, NC 27516 (US).

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(74) Agent: MYERS, BIGEL, SIBLEY & SAJOVEC; P.O. Box 37428, Raleigh, NC 27627 (US).

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(71) Applicant (*for all designated States except US*): UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL [US/US]; 308 Bynum Hall, Campus Box 4105, Chapel Hill, NC 27599-4105 (US).

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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): TING, Jenny, Y.-P. [US] (US). LINHOFF, Michael, W. [US] (US). HARTON, Jonathan, A. [US/US]; 23 E. Bayberry Court, Durham, NC 27713 (US). WILLIAMS, Kristi, L. [US/US]; 3306 Alabama Ave., Durham, NC 27705 (US). LICH, John [US] (US). O'CONNOR, William [US/US]; 1000 Smith Level Road P8, Carrboro, NC 27510 (US). MOORE, Christopher, B. [US/US]; 2211 Alpine Road, Durham, NC 27707 (US). DAVIS, Beckley [US] (US). BRICKEY, Jane [US] (US). CONTI, Brian [US/US]; 703-305 Copperline Drive, Chapel Hill, NC

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(54) Title: CATERPILLER GENE FAMILY

(57) Abstract: The present invention relates to a new family of structurally and functionally related nucleic acids and proteins, designed the CATERPILLER family, which is characterized by landmark structural motifs including a nucleotide binding domain and leucine-rich repeat domains.

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